



BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: Estimate for Improvements to roads and Drains at Venkatagiriyappa Layout in ward no 10 Vidyaranyapura Sub Division.

Estimated Cost: Rs. 15.00 Lakhs

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Name of the work: Estimate for Improvements to roads and Drains at Venkatagiriappa Layout in ward no 10 Vidyaranyapura Sub Division.

		Estimate Cost:					1500000.00		
No.	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRPB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications WORTH chapter 3. Page No. 152 / Item No. 19.2 / PWD SR 2013-14	Cum							
	CC Drain		1	170.00	1.00	0.90	153.00		
	For Road Work		1	120.00	5.00	0.15	90.00		
			1	75.00	5.00	0.15	56.25		
							299.25	90.72	27148.00
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	90.72							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs using 40mm and down size graded granite metal, coarse aggregates @ 0.85 cum and fine aggregates @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No. 12 / Item No. 4.3 PWD SR - 2013-14	Cum							
	CC Drain		1	170.00	1.00	0.15	25.50		
							25.50	4290.84	109416.00
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	4290.84							
3	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No.17 / Item No. 4.31 PWD SR - 2013-14	Sqm							
	For RCC Drain Side Walls		4	170.00		0.60	408.00		
	Covering Slab Bottom		1	170.00	0.60		102.00		
	Covering Slab Sides		2	170.00		0.15	51.00		
							561.00	271.08	152076.00
	Basic Rate	251.00							
	Area Weightage @ 8%	20.08							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
Total	271.08							
4 KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 Page No. 13 / Item No. 4.11 PWD SR - 2013-14	Cum							
Bottom		1	170.00	0.90	0.15	22.95		
Side Walls		2	170.00	0.15	0.60	30.60		
Covering Slab		1	170.00	0.90	0.10	15.30		
						68.85	5639.76	388297.0
Basic Rate	5222.00							
Area Weightage @ 8%	417.76							
Total	5639.76							
5 KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 19 / Item No. 4.46.2 PWD SR 2013-14 TMT bar Fe 500	Qntl							
		0.65	68.85			44.75		
						44.75	7450.92	333447.00
Basic Rate	6899.00							
Area Weightage 8%	551.92							
Total	7450.92							
6 Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications (P.170 / I.20.18) PWD SR - 2013-14.	Cum							
		1	120.00	5.00	0.15	90.00		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			1	75.00	5.00	0.15	56.25		
	Basic Rate	1038.00					146.25	1121.04	163952.00
	Area Weightage @ 8%	83.04							
	Total	1121.04							
7	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 (P.175 / I.21.1) PWDSR 2013-14	Sqm							
			1	120.00	5.00		600.00		
			1	75.00	5.00		375.00		
	Basic Rate	9.75					975.00	10.53	10267.00
	Area Weightage @ 8%	0.78							
	Total	10.53							
8	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, Page No. 175 / Item No. 21.6/ PWD SR 2013-14	Sqm							
			Qty Vide Item No. 07				975.00	44.28	43173.00
	Basic Rate	41.00							
	Area Weightage @ 8%	3.28							
	Total	44.28							
9	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen , No. 178 / Item No. 21.20.1/ PWD SR 2013-14	Cum							
			1	120.00	5.00	0.025	15.00		
			1	75.00	5.00	0.025	9.38		
	Basic Rate	8918.00					24.38	9631.44	234766.00
	Area Weightage @ 8%	713.44							
	Total	9631.44							

152 - BYATARAYANAPURA AC
WARD NAME : 10 - DODDA BOMMASANDRA

